

Total Page - 2

UG/2nd Sem/Stat/H/19 (Pr.)

2019

B.Sc.

2nd Semester Examination
STATISTICS (Honours)

Paper - GE-2P

[Practical]

Full Marks : 20

Time : 3 Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Answer all questions.

1. The rainfall (in mm) in a certain city for 100 days was recorded as follows :

Rainfall (in mm)	Days
0-2	9
2-4	19
4-6	37
6-8	11
8-10	7

[Turn Over]

- Fit a normal distribution to the data. Comment on the nature of fit of the distribution. 8
2. The number of defective products contained in a lot is binomially distributed with parameters $n = 50$ and $p = 0.6$. Calculate the probabilities that a lot
- (i) Contains no defective product. 2
 - (ii) Contains exactly one defective product. 2
 - (iii) Contains no more than two defective products. 3
3. Practical Note book. 2
4. Viva Voce. 3
-